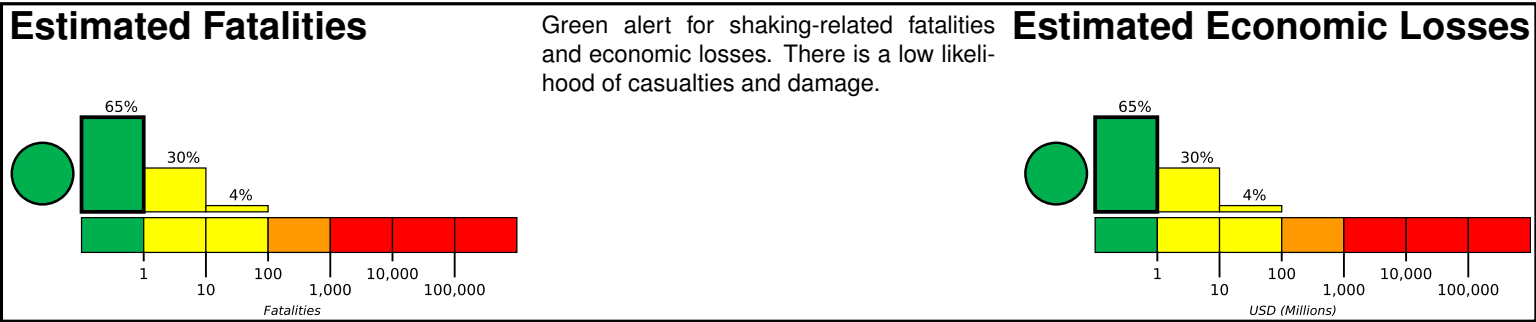


# M 5.5, 48 km NE of Al Hocema, Morocco

Origin Time: 2022-05-20 12:35:49 UTC (Fri 12:35:49 local)  
Location: 35.4993° N 3.4919° W Depth: 10.0 km

**PAGER**  
**Version 5**

Created: 1 day, 0 hours after earthquake

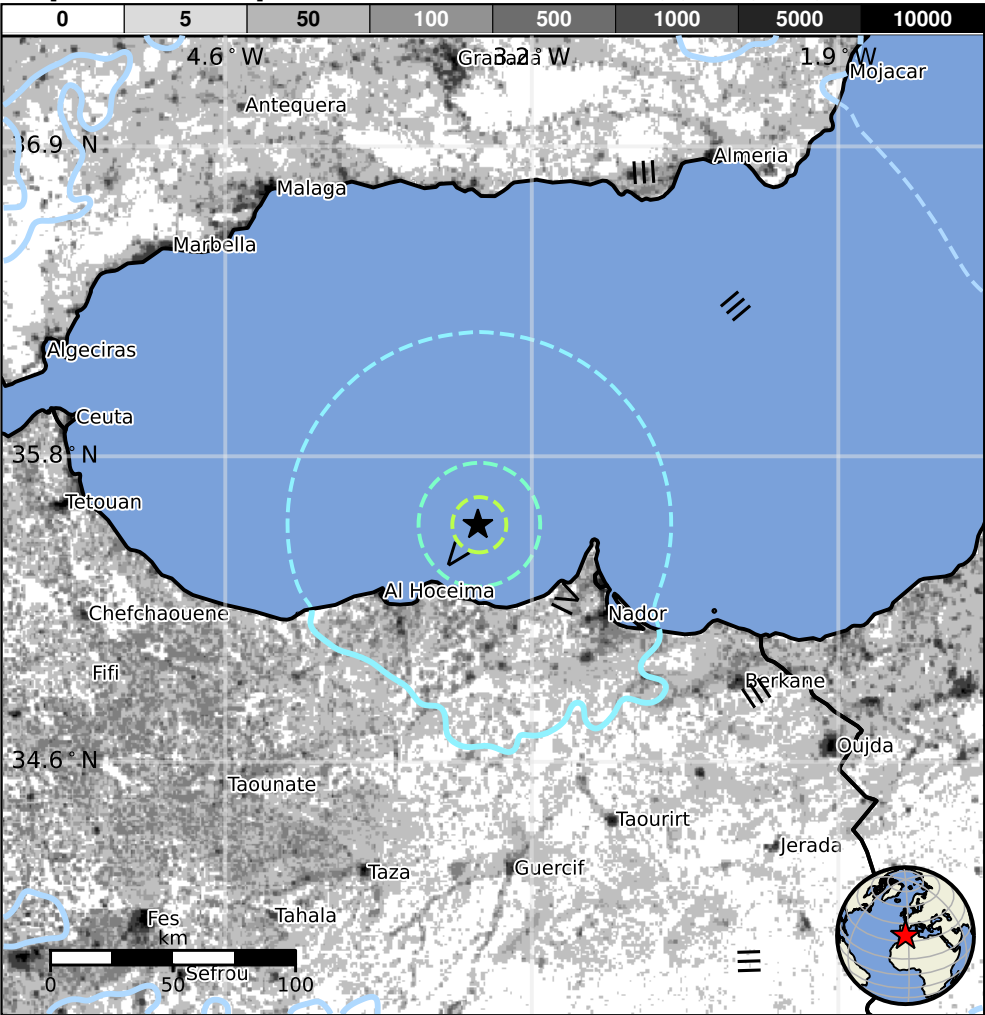


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	12,593k*	1,120k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building type is reinforced masonry construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1994-05-26	61	5.9	VII(29k)	2
1999-12-22	199	5.6	VII(22k)	24
2004-02-24	55	6.3	VIII(44k)	631

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Boudinar	<1k
IV	Taouima	<1k
IV	Imzourene	27k
IV	Midar	<1k
IV	<b>Al Hoceima</b>	<b>396k</b>
IV	<b>Nador</b>	<b>129k</b>
IV	Melilla	73k
III	<b>Oujda</b>	<b>405k</b>
III	<b>Ceuta</b>	<b>79k</b>
III	<b>Fes</b>	<b>965k</b>
III	Tlemcen	132k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/us6000hml#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000hml